

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

AUTOCAR AUTOCAR FRONT LOAD

Diesel Engine Fluid **DIESEL ENGINE OIL SAE 40 (--- GAL)**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

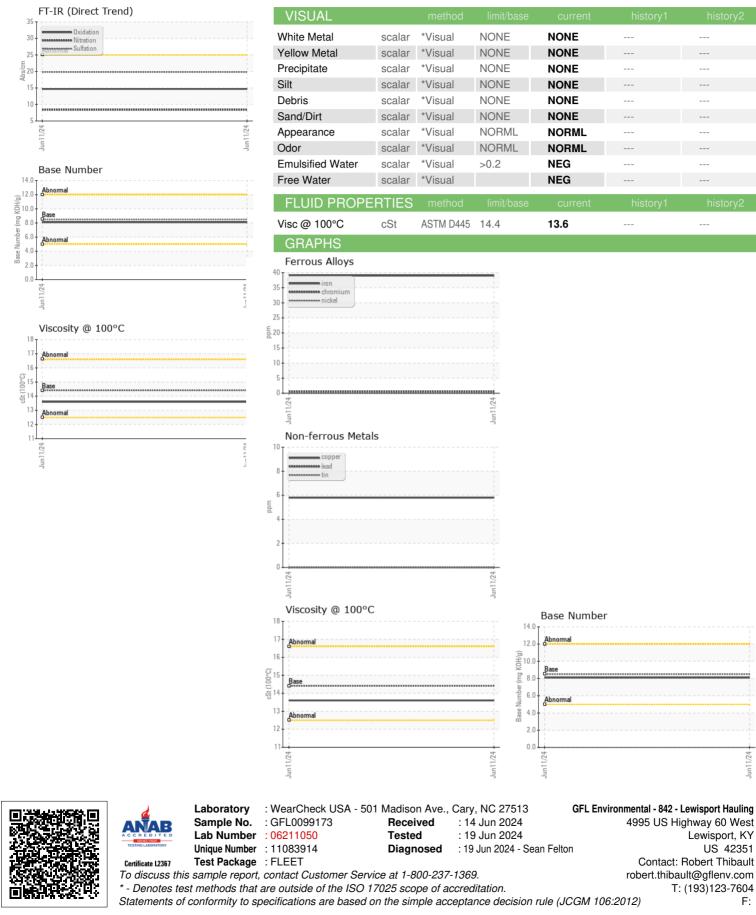
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
|--|---|--|--|--|--|--|
| Sample Number | | Client Info | | GFL0099173 | | |
| Sample Date | | Client Info | | 11 Jun 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >5 | <1.0 | | |
| Water | | WC Method | >0.2 | NEG | | |
| Glycol | | WC Method | | NEG | | |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| Iron | | ASTM D5185m | >100 | 39 | | |
| Chromium | ppm ppm | ASTM D5185m | >100 | 39 <1 | | |
| Nickel | | ASTM D5185m | >20 | <1 | | |
| Titanium | ppm ppm | ASTM D5185m | 24 | 0 <1 | | |
| Silver | ppm | ASTM D5185m | >3 | < 1 0 | | |
| Aluminum | ppm | ASTM D5185m | >20 | 2 | | |
| Lead | ppm | ASTM D5185m | >20 | 0 | | |
| Copper | ppm | ASTM D5185m | >330 | 6 | | |
| Tin | ppm | ASTM D5185m | >15 | 0 | | |
| Vanadium | ppm | ASTM D5185m | 210 | <1 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | pp | method | limit/base | current | history1 | history2 |
| Boron | | ASTM D5185m | 250 | 4 | | |
| Barium | ppm | ASTM D5185m | 10 | 4 | | |
| | ppm | ASTM D5185m | 100 | 60 | | |
| Molybdenum Manganese | ppm | ASTIVI DOTODITI | 100 | 00 | | |
| • | | ASTM D5185m | | -1 | | |
| Magnocium | ppm | ASTM D5185m | 450 | <1 975 | | |
| Magnesium | ppm | ASTM D5185m | 450 | 875 | | |
| Calcium | ppm ppm | ASTM D5185m ASTM D5185m | 3000 | 875 1039 | | |
| Calcium Phosphorus | ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m | 3000 1150 | 875 1039 956 | | |
| Calcium | ppm ppm | ASTM D5185m ASTM D5185m | 3000 | 875 1039 | | |
| Calcium Phosphorus Zinc | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 3000 1150 1350 | 875 1039 956 1272 | | |
| Calcium Phosphorus Zinc Sulfur | ppm ppm ppm ppm ppm TS | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 3000 1150 1350 4250 | 875 1039 956 1272 3249 | | |
| Calcium Phosphorus Zinc Sulfur CONTAMINAN | ppm ppm ppm ppm ppm TS | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method | 3000 1150 1350 4250 limit/base | 875 1039 956 1272 3249 current | history1 | history2 |
| Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon | ppm ppm ppm ppm ppm TS | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 3000 1150 1350 4250 limit/base >25 | 875 1039 956 1272 3249 current 4 | history1 | history2 |
| Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium | ppm ppm ppm ppm ppm TS ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 3000 1150 1350 4250 limit/base >25 >216 | 875 1039 956 1272 3249 current 4 4 | history1 | history2 |
| Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium | ppm ppm ppm ppm ppm TS ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 3000 1150 1350 4250 limit/base >25 >216 >20 | 875 1039 956 1272 3249 current 4 4 2 | history1 | history2 |
| Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED | ppm ppm ppm ppm TS ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 3000 1150 1350 4250 limit/base >25 >216 >20 limit/base >3 | 875 1039 956 1272 3249 current 4 4 2 2 current | history1 history1 | history2 history2 |
| Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % | ppm ppm ppm ppm ppm TS ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 3000 1150 1350 4250 limit/base >25 >216 >20 limit/base >3 | 875 1039 956 1272 3249 current 4 4 2 2 current 1.1 | history1 history1 | history2 history2 history2 |
| Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration | ppm ppm ppm ppm ppm TS ppm ppm ppm % Abs/cm Abs/.1mm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 3000 1150 1350 4250 limit/base >25 >216 >20 limit/base >3 >20 | 875 1039 956 1272 3249 current 4 4 2 2 current 1.1 8.4 | history1 history1 history1 | history2 history2 |
| Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation | ppm ppm ppm ppm ppm TS ppm ppm ppm % Abs/cm Abs/.1mm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7844 *ASTM D7844 *ASTM D7844 | 3000 1150 1350 4250 limit/base >25 >216 >20 limit/base >3 >20 >30 | 875 1039 956 1272 3249 current 4 4 2 2 current 1.1 8.4 19.8 | history1 history1 | history2 history2 |



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